

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

To:

Commissioner
 US Department of Commerce
 United States Patent and Trademark
 Office, PCT
 2011 South Clark Place Room
 CP2/5C24
 Arlington, VA 22202
 ETATS-UNIS D'AMERIQUE
 in its capacity as elected Office

Date of mailing (day/month/year) 15 November 2000 (15.11.00)	
International application No. PCT/EP00/02370	Applicant's or agent's file reference PAT 99310*PC
International filing date (day/month/year) 16 March 2000 (16.03.00)	Priority date (day/month/year) 18 March 1999 (18.03.99)
Applicant KRAFT, Christian	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
 02 October 2000 (02.10.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Olivia TEFY Telephone No.: (41-22) 338.83.38
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PCT REQUEST

PAT 99310*PC

Original (for SUBMISSION) - printed on 14.03.2000 04:02:11 PM

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.90 (updated 15.12.1999)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	European Patent Office (EPO) (RO/EP)
0-7	Applicant's or agent's file reference	PAT 99310*PC
I	Title of invention	COMMUNICATION TERMINAL HANDLING MESSAGES INCLUDING GRAPHICS
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	NOKIA MOBILE PHONES
II-5	Address:	KEILALAHDENTIE 4 FIN-02150 ESPOO Finland
II-6	State of nationality	FI
II-7	State of residence	FI
II-8	Telephone No.	+358 24 3061
II-9	Facsimile No.	+358 24 3064 544
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	KRAFT, Christian
III-1-5	Address:	Soender Boulevard 42, 2TV DK-1790 Copenhagen V Denmark
III-1-6	State of nationality	DK
III-1-7	State of residence	DK

PCT REQUEST

PAT 99310*PC


Original (for SUBMISSION) - printed on 14.03.2000 04:02:11 PM

IV-1	Agent or common representative; r address for c rrespondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	JEFFERY, Kendra
IV-1-2	Address:	NOKIA IPR DEPARTMENT Nokia House Summit Avenue Farnborough, Hampshire GU14 ONG United Kingdom
IV-1-3	Telephone No.	01252 865000
IV-1-4	Facsimile No.	01252 865080
IV-2	Additional agent(s)	additional agent(s) with same address as first named agent
IV-2-1	Name(s)	HIBBERT, Juliet; HAWS, Helen, Louise; HIGGIN, Paul; MUIR, Henry; FRAIN, Timothy
V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AP: GH GM KE LS MW SD SL SZ TZ UG ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE CH&LI CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AL AM AT AU AZ BA BB BG BR BY CA CH&LI CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

PCT REQUEST

PAT 99310*PC

Original (for SUBMISSION) - printed on 14.03.2000 04:02:11 PM

V-5	Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.		
V-6	Exclusion(s) from precautionary designations	NONE	
VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	18 March 1999 (18.03.1999)	
VI-1-2	Number	9906316.6	
VI-1-3	Country	GB	
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)	
VIII	Check list	number of sheets	electronic file(s) attached
VIII-1	Request	4	-
VIII-2	Description	12	-
VIII-3	Claims	3	-
VIII-4	Abstract	1	p99310pct.txt
VIII-5	Drawings	5	-
VIII-7	TOTAL	25	
VIII-8	Accompanying Items	paper document(s) attached	electronic file(s) attached
VIII-8	Fee calculation sheet	✓	-
VIII-12	Priority document(s)	Item(s) VI-1	-
VIII-16	PCT-EASY diskette	-	diskette
VIII-18	Figure of the drawings which should accompany the abstract	8	
VIII-19	Language of filing of the international application	English	
IX-1	Signature of applicant or agent		
IX-1-1	Name (LAST, First)	JEFFERY, Kendra	

FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	

PCT REQUEST

PAT 99310*PC

Original (for **SUBMISSION**) - printed on 14.03.2000 04:02:11 PM

10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PAT 99310*PCT	<div style="display: flex; justify-content: space-between;"> <div>FOR FURTHER ACTION</div> <div>See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)</div> </div>	
International application No. PCT/EP00/02370	International filing date (day/month/year) 16/03/2000	Priority date (day/month/year) 18/03/1999
International Patent Classification (IPC) or national classification and IPC H04M1/725		
Applicant NOKIA MOBILE PHONES LTD.et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.


2. This REPORT consists of a total of 9 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☒ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 02/10/2000	Date of completion of this report 01.06.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Banerjea, R Telephone No. +49 89 2399 7467



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/02370

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-12 as originally filed

Claims, No.:

1-11 as originally filed

Drawings, sheets:

1/5-5/5 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/02370

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application.

☒ claims Nos. 11.

because:

☒ the said international application, or the said claims Nos. 11 relate to the following subject matter which does not require an international preliminary examination (*specify*):
see separate sheet

☐ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. are so unclear that no meaningful opinion could be formed (*specify*):

☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.

☐ no international search report has been established for the said claims Nos. .

2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:

☐ the written form has not been furnished or does not comply with the standard.

☐ the computer readable form has not been furnished or does not comply with the standard.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims 2-10

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/02370

	No:	Claims	1
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1-10
Industrial applicability (IA)	Yes:	Claims	1-10
	No:	Claims	

2. Citations and explanations
see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:
see separate sheet

A. R Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

Claim 11 relates to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(v) PCT, i.e. presentations of information.

Consequently, no opinion will be formulated with respect to novelty, inventive step and industrial applicability of the subject-matter of this claim, Article 34(4)(a)(i) PCT.

B. Citations and explanations in respect of paragraph V:

Reference is made to the following documents:

D1: WO 97 19429
D2: EP-A-0 817 143
D3: GB-A-2 308 523

1. Document **D1** (see in particular page 1, lines 12-15; page 4, lines 22-25; page 5, line 13 to page 6, line 1; page 6, lines 20-23; page 11, lines 18-25; page 7, lines 19-21; page 8, lines 1-2; Fig. 1; Fig. 15; Fig. 16; Fig. 19; Fig. 21; Fig. 23) discloses, according to **all** the features of **claim 1**, a method for handling messages transmitted between communication terminals via a wireless network (see page 1, lines 12-15; "100" in Fig. 1; "305" in Fig. 11) comprising the steps of generating a compound message including a text part and at least one graphical icon part (see page 5, lines 13-14; page 11, lines 18-25; Fig. 15; Fig. 16; Fig. 19; Fig. 21; Fig. 23), said compound message generation includes the steps of reading of a user inputted text part and converting the inputted text into a predefined message text format, adding a graphical part to the message, said graphical part includes a record for each of said at least one graphical icon part in a graphical format (see page 5, line 14 to page 6, line 1; page 6, lines 20-23), adding information in the message defining the position of said at least one graphical icon part in the text part (see page 4, lines 22-25; page 6, lines 20-23),

and transmission of the message via the wireless network (see page 1, lines 12-15; page 7, lines 19-21; page 8, lines 1-2).

Similarly, the cited document **D2** (see col. 1, lines 3-12; col. 1, lines 54-58; col. 2, lines 10-20; col. 3, line 46 to col. 4, line 9; col. 4, lines 19-29; col. 5, lines 24-33; Fig. 1; Fig. 2; Fig. 3B) also discloses a similar method for handling messages as claimed in claim 1.

The subject-matter of claim 1 therefore is not new, Article 33(2) PCT.

It should furthermore be noted that even if novelty of claim 1 could be argued, based on minor differences between the features of said claim and those disclosed in document D1 or in document D2, the subject-matter of claim 1 would not involve an inventive step, Article 33(3) PCT, having regard to the disclosure of documents D1 and D2 and the normal knowledge of a person skilled in the art of transmission of graphics as a part of the messaging between communication terminals.

2. Document **D1** (see in particular page 1, lines 12-15; page 3, lines 17-20; page 4, lines 22-25; page 5, lines 13 to page 6, line 1; page 6, lines 20-23; page 7, line 19 to page 8, line 2; page 9, line 32 to page 10, line 4; page 11, lines 18-25; Fig. 1; Fig. 11; Fig. 15; Fig. 16; Fig. 19; Fig. 21; Fig. 23) discloses, according to the main features of **claim 2** a communication terminal for handling messages (see "100" in Fig. 1; "305" in Fig. 11) and having a controller (see "120" in Fig. 1; "325" in Fig. 11), means for communicating with a wireless communication network (see page 1, lines 12-15; page 7, lines 19-21; page 8, lines 1-2; "335" in Fig. 11), and a user interface through which the user operates the terminal (see page 7, lines 21-24; "310" and "140" in Fig. 1; "320" in Fig. 11), said user interface includes a display (see page 3, lines 17-20; "130" in Fig. 1), said communication terminal furthermore comprises a message editor application (see page 9, line 32 to page 10, line 4) by means of which the user is allowed to generate compound message including a text part and at least one graphical icon part (see page 5, lines 13-14; page 11, lines 18-25; Fig. 15; Fig. 16; Fig. 19; Fig. 21; Fig. 23), said controller generates a message for being transmitted via said means for communicating (see page 7, lines 19-21; page 7, line 32 to page 8, line 1), said message includes

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/02370

a text part in a predefined message text character format, a graphical part including a record for each of said at least one graphical icon part in a graphical format (see page 5, lines 14 to page 6, line 1; page 6, lines 20-23), and information in the message defining the position of said at least one graphical icon part in the text part (see page 4, lines 22-25; page 6, lines 20-23).

The subject-matter of claim 2 differs from the disclosure of D1 in that the communication terminal of claim 2 has a **transceiver**. In D1 a separation is made between the transmitting terminal and the receiving terminal, the latter being further described as paging terminal.

However, this distinguishing feature merely represents a minor design alternative which is well-known in the art. Note that the functionality of a pager, i.e. a data communication radio receiver is nowadays integrated in mobile phones and that a pager alone is therefore disappearing from the radio telecommunications market. Moreover, the necessity of transmitting graphical images in combination with text messages via a communication terminal having a transceiver such as a mobile phone is also confirmed by the disclosure of document **D3** (see in particular the Abstract; "10" in Fig. 3).

The skilled person being aware of the communication terminal described in D1 and wishing to use a very common radio communication terminal for communicating in both directions, would therefore arrive, by implementing the known principle as e.g. described in document D1 to the communication terminal of D3, without the exercise of inventive skill, at the communication terminal for handling messages corresponding to the subject-matter of claim 2.

Consequently, the subject-matter of claim 2 lacks an inventive step, Article 33(3) PCT.

3. Furthermore, dependent **claims 3 to 10** do not appear to contain any additional features which in combination with the features of any claim to which they refer, involve an inventive step for the reason that the subject-matter of said claims is either in principle directly derivable from the disclosure of document **D1** (for

claims 5, 6, 7 and 9: see page 4, lines 8-16; page 6, line 31 to page 7, line 3; "155" in Fig. 1; "315" in Fig.11; for **claim 10:** see page 7, lines 4-6; page 1, lines 8-11) or from the disclosure of document **D2** (for **claims 5, 6, 7 and 9:** see col. 1, lines 25-29; col. 1, lines 54-58; col. 2, lines 5-16; col. 3, lines 16-41; col. 4, lines 10-29), or represents simple design details which are generally known to a person skilled in the field of transmission of graphics as a part of the messaging between communication terminals.

Thus, dependent claims 3 to 10 do not meet the requirements of Article 33(3) PCT.

C. Remarks made in respect of paragraph VII:

1. The independent claims should have been drafted in the proper two-part form recommended by Rule 6.3.(b),(i),(ii) PCT, having a preamble that correctly reflects the nearest prior art, being represented by the above noted document D1.
2. The claims do not include reference signs in parentheses where features shown in the drawings are referred to, Rule 6.2.(b) PCT.
3. In order to meet the requirements of Rule 5.1.(a),(ii) PCT, the relevant prior art, i.e. the documents D1 to D3 noted above, should have been acknowledged by reference and briefly discussed in the introductory part of the description.
4. The opening part of the description should have been modified to bring it into agreement with any new independent claim, Rule 5.1.(a),(iii) PCT.
5. Following typing errors are present in the description:
 - page 2, line 7: "... vil ..." should have been replaced by "... will ...",
 - page 2, line 28: "... meassage ..." should have been replaced by "... message ...",
 - page 3, line 19: "... being being ..." should have been replaced by "... being ...",
 - page 6, line 21: "... the the ..." should have been replaced by "... the ...".

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/02370

D. Remarks made in respect of paragraph VIII:

The following amendments would have been necessary to the claims, Article 6 PCT:

1. Claim 5:

- "... the message editor ..." should have been replaced by "... the message editor application ...",
- "... Communication terminal according to claim 2-4 ..." should have been replaced by "... Communication terminal according to claim 2 to 4 ...".

2. In method **claim 1 the verbs in "-ing" should have been preceded by the formulation "the step of...".**

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

<p>To:</p> <p>NOKIA IPR DEPARTMENT Nokia House, Summit Avenue Southwood Farnborough Hampshire GU14 0NG GRANDE BRETAGNE</p>	<div style="border: 1px solid black; padding: 5px;"> <input type="checkbox"/> Comp Record <input type="checkbox"/> File Record <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Renewal Record <input type="checkbox"/> Citations <input type="checkbox"/> Div Award </div> <p style="text-align: center; font-weight: bold;">4 JUN 2001</p>
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ED/PSH

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT
(PCT Rule 71.1)

Letters

Date of mailing (day/month/year) 01.06.2001

Applicant's or agent's file reference PAT 99310*PCT		IMPORTANT NOTIFICATION	
International application No. PCT/EP00/02370	International filing date (day/month/year) 16/03/2000	Priority date (day/month/year) 18/03/1999	
Applicant NOKIA MOBILE PHONES LTD.et al.			

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/ <div style="display: flex; align-items: center;"> <div> European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465 </div> </div>	Authorized officer Cornudet-Henschel, V Tel.+49 89 2399-7371
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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PAT 99310*PC	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 00/ 02370	International filing date (day/month/year) 16/03/2000	(Earliest) Priority Date (day/month/year) 18/03/1999
Applicant NOKIA MOBILE PHONES		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☒ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

5

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/02370

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04M1/725

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97 19429 A (MOTOROLA INC) 29 May 1997 (1997-05-29) page 3, line 23 -page 4, line 30 page 6, line 31 -page 8, line 9 ---	1, 2, 5-7, 11
A	GB 2 308 523 A (NORTHERN TELECOM LTD) 25 June 1997 (1997-06-25) page 1, line 1 -page 2, line 31 page 4, line 33 -page 5, line 30 page 6, line 10 -page 7, line 12 page 13, line 25 -page 14, line 5 ---	1-11
A	EP 0 817 143 A (NIPPON ELECTRIC CO) 7 January 1998 (1998-01-07) column 1, line 37 -column 2, line 4 --- -/--	1-11

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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